

MagJack®

The MagJack® brand is a comprehensive portfolio of integrated devices that combine Bel's connectors and magnetics to provide the signal conditioning, EMI suppression and signal isolation previously performed by multiple (7+), discrete components. Each MagJack employed reduces PCB real estate use by more than 50% per RJ port.

MagJack's combo devices provide a mix of RJ45 and USB connectors for greater design flexibility.



Applications

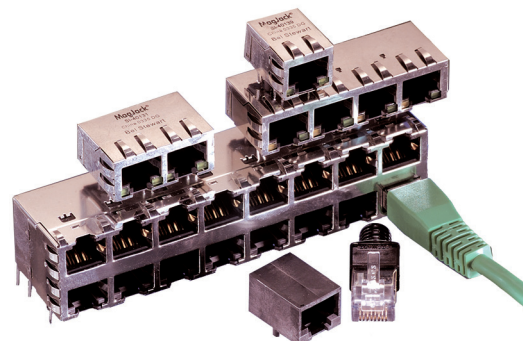
- 10/100BT
- 10/100BT AutoMDIX
- 1GBT (10/100/1000BT) and 10GBT
- Power over Ethernet (PoE) and PoE Plus
- Extended Temperature Range of -40° to +85° C
- RoHS Compliant, Soldering = 260° C for 10 Seconds

Networking Equipment

- Hubs
- Switches
- Routers
- PCs
- Servers
- Workstations
- Motherboards


Equipment Utilizing a Network

- NICs
- Servers
- PCs
- Consumer Devices






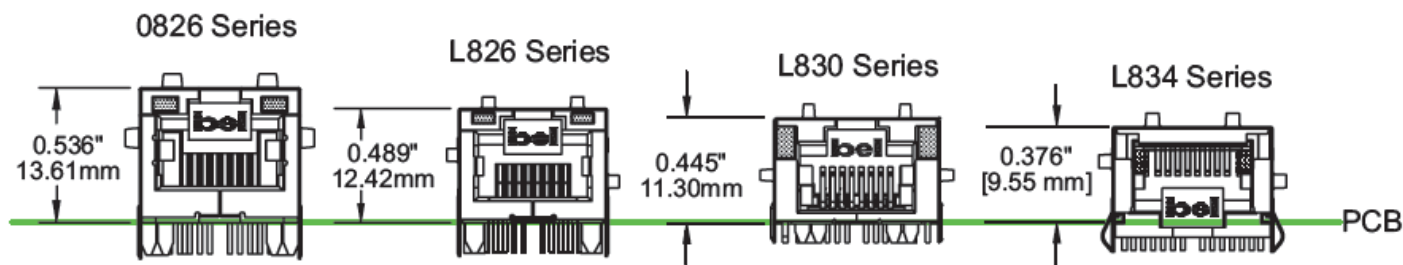
Mechanical Options - Single Port Designs

- Plug Tab Up and Plug Tab Down
- With or Without LEDs  and Bi-Color
- RJ45 and USB Port Combinations
- Vertical Mount Packaging
- Low Profile Versions Under 0.50" Height
- Micro Height Versions Under 0.45" Height
- Mid-Plane Mount Versions Under 0.40" Height



Mechanical Options - Multiple Port Designs

- With or Without LEDs  and Bi-Color
- Two-Tier Stacked Designs Under 0.785" Height
- Multi-Port Configurations: 2x1 / 2x3 / 2x4 / 2x6 / 2x8



MagJack's Mechanical Evolution Continues to Provide More Efficient Space Utilization with Ultra-Low Profile Packages and Mid-Plane Mount Versions.



Electrical Options

- IR Reflow Compatible, 230°C for 90 Seconds
- Surge Protection for GR1089 Intra-Building and ESD
- Extended Temperature Range -40° to +85°C

Vertical-mount MagJack is optimized for space-critical devices such as SBCs (single-board computers), motherboards, daughter cards, NICs (network interface cards), switches, hubs, and bridges. Applications include industrial PCs, printers, VoIP phones, remote sensor and transducer devices, security camera equipment, and wireless systems.